

CLAIMS

WHAT IS CLAIMED IS:

[1] A disk apparatus comprising:

a stationary frame having an opening for inserting and ejecting a disk-shaped recording medium,

a disk guide which is rotatably provided in the proximity of the opening of said stationary frame, and which leads said disk-shaped recording medium to the inserting operation and the ejecting operation, and

a floating unit which is held in a floating state through elastic component in said stationary frame, and which has a function to perform a recording and/or reproducing operation on said disk-shaped recording medium.

[2] A disk apparatus as recited in claim 1, wherein said floating unit includes a disk-carrying member having a roller arm which rotates itself while pressing said disk-shaped recording medium onto said disk guide, so as to carry said disk-shaped recording medium to a desired position, and wherein, when said disk-carrying member has carried said disk-shaped recording medium to a recording/reproducing position, said roller arm is rotated or moved to close at least a part of the opening for inserting and ejecting said disk-shaped recording medium by

said disk guide.

[3] A disk apparatus as recited in claim 1, wherein said floating unit includes a disk-carrying member having a roller arm which rotates itself while pressing said disk-shaped recording medium onto said disk guide, so as to carry said disk-shaped recording medium to a desired position, and wherein, when said disk-carrying member has carried said disk-shaped recording medium to a recording/reproducing position, a part of said disk guide is moved in a direction intersecting the locus of the motion of said disk-shaped recording medium to close at least a part of the opening for inserting and ejecting said disk-shaped recording medium by said disk guide.

[4] A disk apparatus as recited in claim 1, wherein said stationary frame comprises an upper frame and a lower frame, and wherein said disk guide is so held in suspension from the reverse of said upper frame as to be rotatable a predetermined angle.

[5] A disk apparatus as recited in claim 1, wherein said disk guide is foldable in two stages and is folded while said disk guide is leading said disk-shaped recording medium to the inserting operation and ejecting operation.

[6] A disk apparatus as recited in claim 1, wherein a substantially arch-like protruded chin guard is provided at a position where the opening for inserting and ejecting said disk-shaped recording medium is formed in said floating unit, and wherein, when said disk-shaped recording medium is placed at the recording/reproducing position, said disk guide contacts said chin guide.

[7] A disk apparatus as recited in claim 1, wherein said disk guide has a part which closes the opening for inserting and ejecting said disk-shaped recording medium and which has a recess therein.